

# Things that go Bump in the Night

From ghoulies and ghosties  
And long-leggedy beasties  
*And things that go bump in the  
night, Good Lord, deliver us*

Old Scottish Prayer

# METEORS





*K-T Boundary Impact  
65 Mya*







Hi!

I'm a **METEROID**.



When the Earth's gravity pulls me in I will speed up to 25 times as fast as a bullet. This will cause friction with the atmosphere and I will glow brightly and briefly be a **METEOR**.

If I make it to the ground without exploding or burning up, I will become a **METEORITE**.





*Meteor Hits Russia*

*February 15, 2013*

*Impact of  
Meteor  
Explosion*

# Tunguska

- June 30, 1908
- 10-20 Megatons of TNT equivalent – as large as the largest hydrogen bomb ever made.
- Trees downed over 830 square miles.
- No crater or meteorites found.



# Meteor Shower



# Meteorite Myths

- **Meteorites are radioactive**
- **Meteorites are red hot when they land**
- **Meteorites are uncommon**
- **Meteorites are bits of asteroids**
- **Meteorites have brought alien life to Earth**

# Comets

A comet is depicted against a dark, starry background. The comet's nucleus is a bright, greenish-yellow cone pointing towards the bottom left. A long, diffuse tail of blue and white particles extends from the nucleus towards the top right, following the path of the comet's movement.

# Hale-Bopp (1997)



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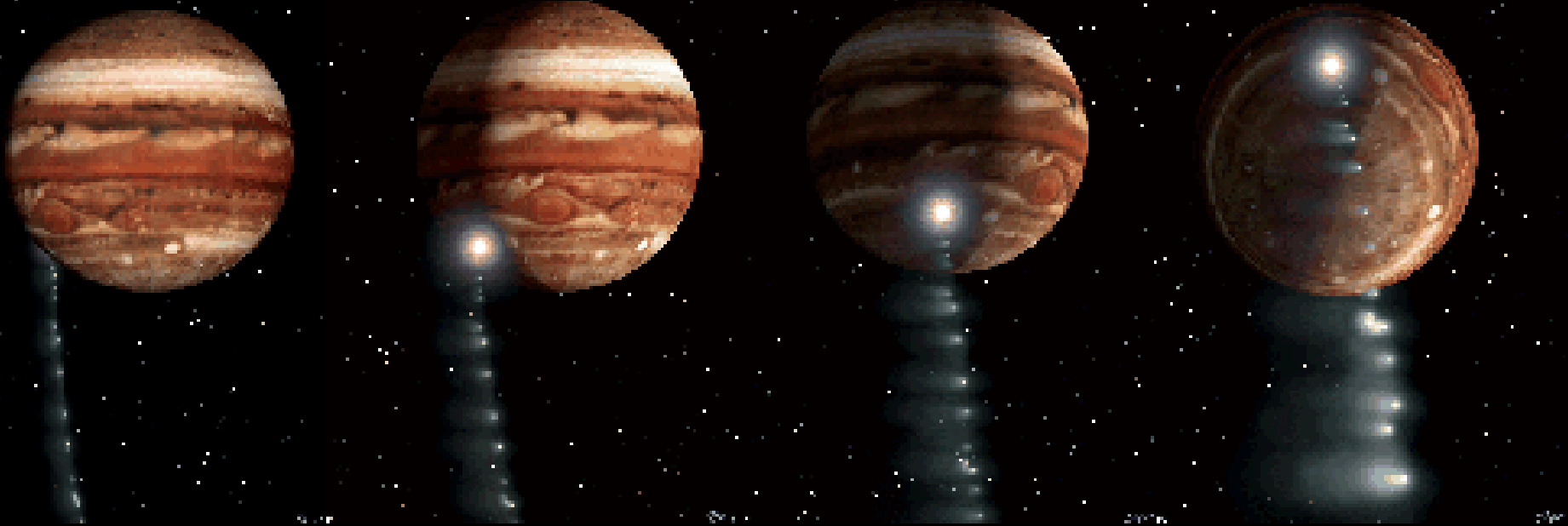




# Comet McNaught January 2007

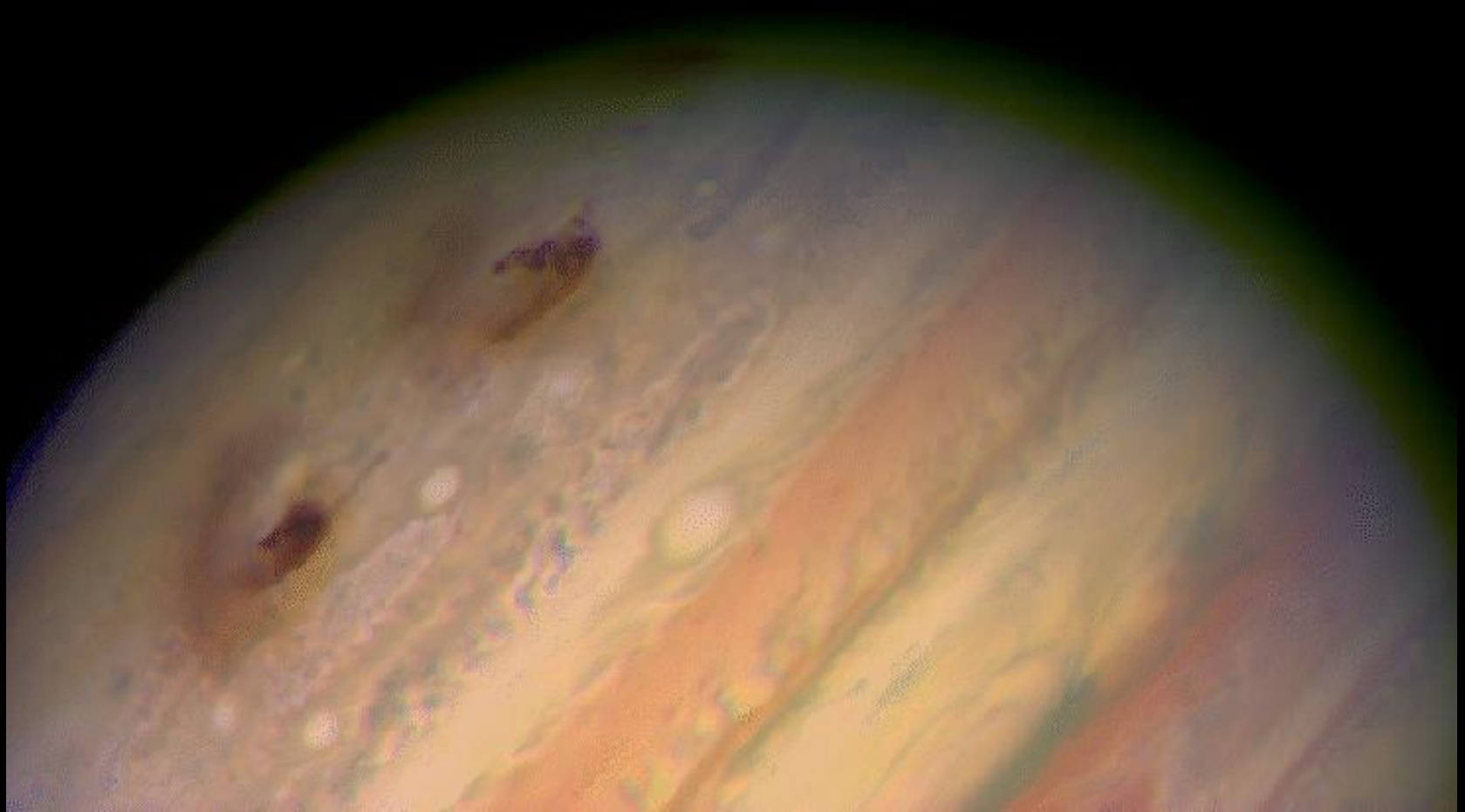


# Comet Shoemaker-Levy Collision with Jupiter (July 1994)



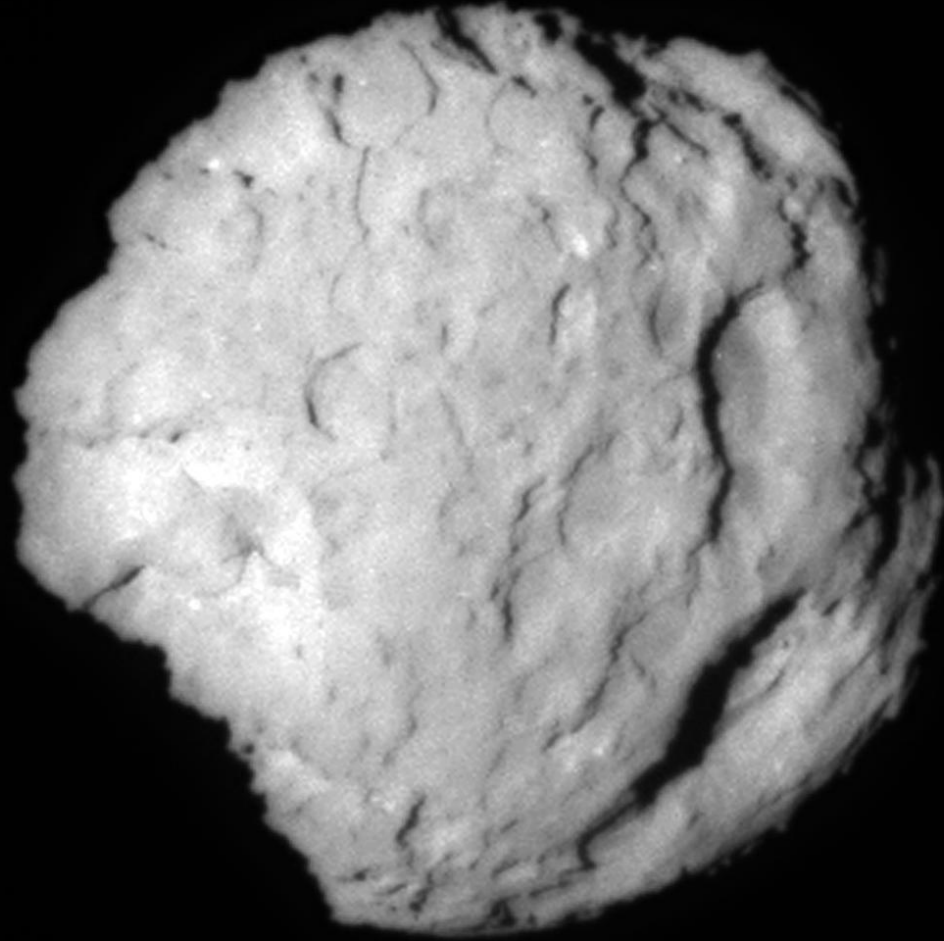
*JPL Illustration*

*Damage by Comet Shoemaker-Levy  
(Hubble Space Telescope)*



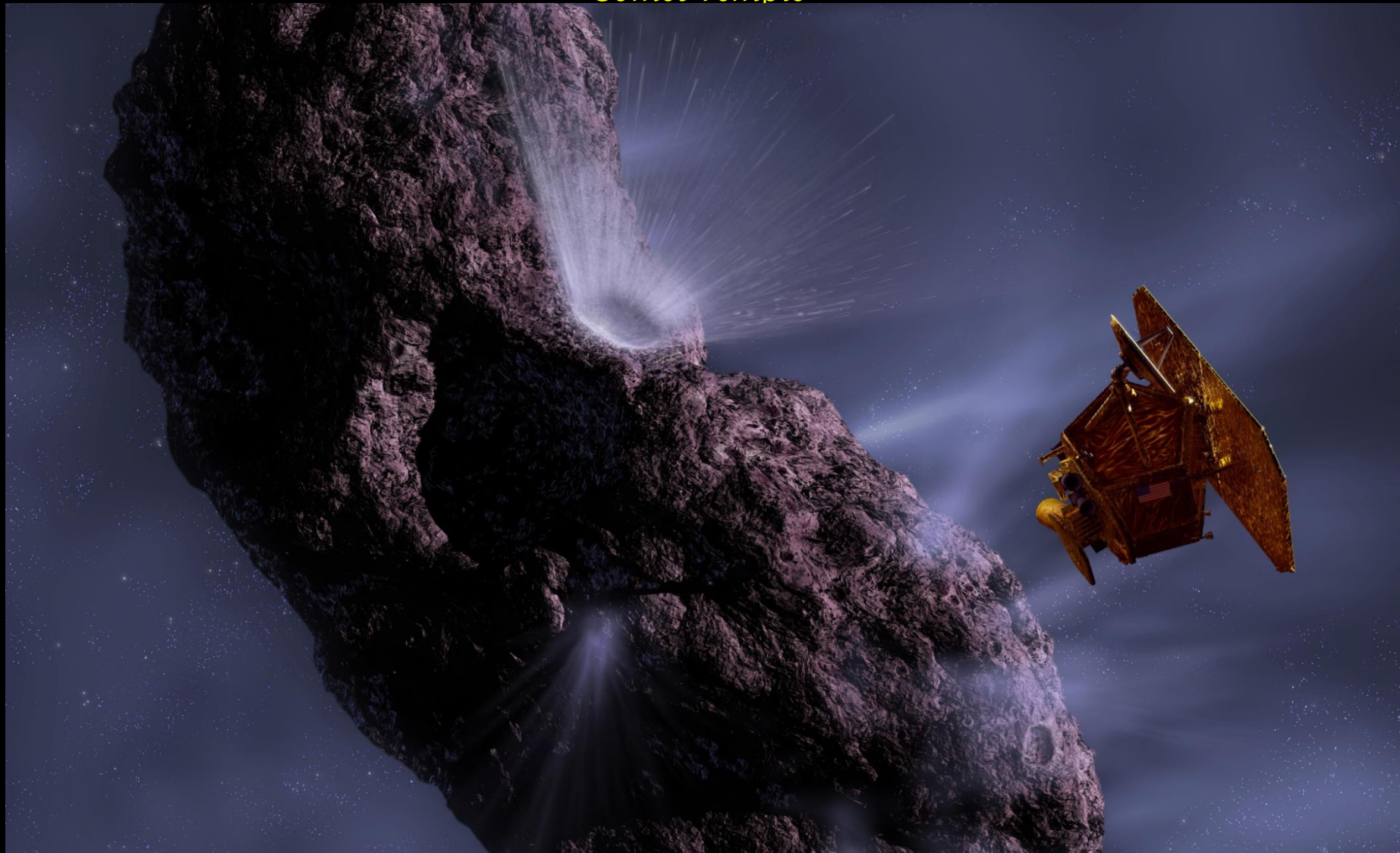
# *A comet in Space*

*Comet wild 2*

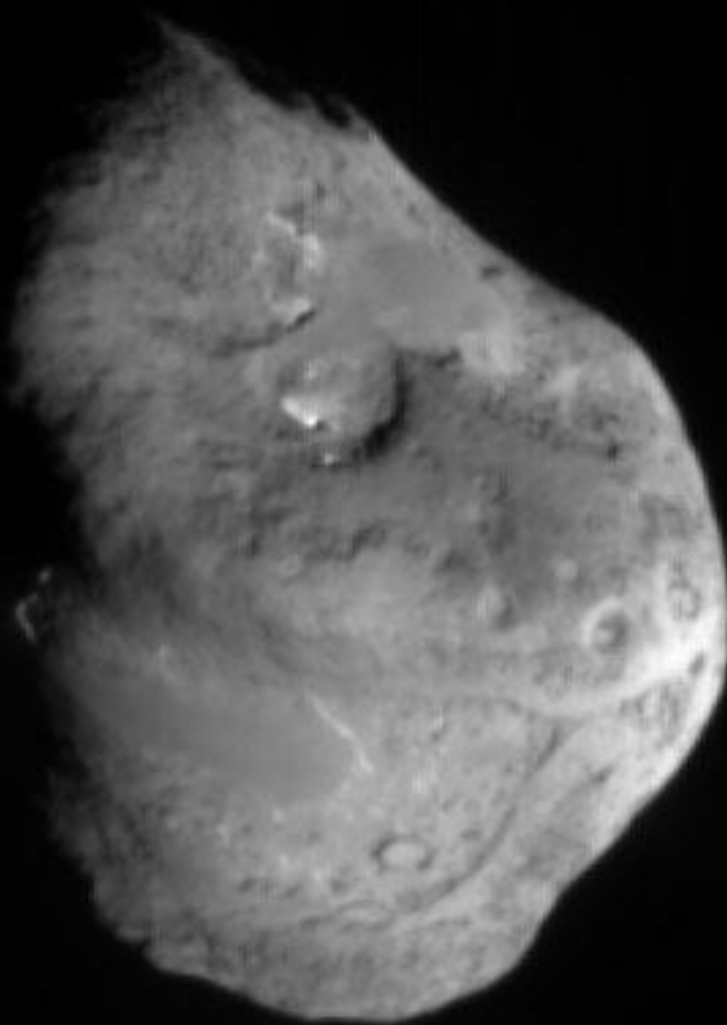


# Deep impact

Comet Temple



*Lets Make a Comet*



*The End*